



# भारत का राजपत्र

## The Gazette of India

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PUBLISHED BY AUTHORITY

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25/3/85

सं. 52] नई दिल्ली, शनिवार, दिसम्बर 28, 1985 (पौष 7, 1907)

No 52] NEW DELHI, SATURDAY, DECEMBER 28, 1985 (PAUSA 7, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा राज्यारो की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS & DESIGNS  
Calcutta, the 28th December 1985

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Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),  
214, Acharya Jagadish Bose Road,  
Calcutta-700 017.

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Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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(5th, 6th & 7th Floor),  
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234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

## CORRIGENDUM

In the Gazette of India, Part III, Section 2, dated 19th October, 1985 under the heading "Applications for Patents filed in the Patent Office, Bombay Branch at Todi Estates, IIIrd Floor, San Mill Compound, Lower Parel (West), Bombay-400 013" on page 735, Column 2

(i) in respect of Patent Application No. 220/Bom/85 in the title of invention for "FUTTY" read "FATTY".

2. In the Gazette of India Part III, Section 2 dated 26th October, 1985 under the heading "Complete Specification Accepted" on page 751 and 753

(i) in respect of Patent Specification No. 156739 for Application No. "223/Bom/1983" read "223/Bom/1982".

(ii) in respect of Patent Specification No. 156747 for Application No. "32/Bom/1982" read "321/Bom/1982".

## APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

The dates shown in brackets are the dates claimed under Section 135, of the Act.

The 21st November, 1985

827/Cal/85 Director Tute Agricultural Research Institute, Manually operated multirow seed drill

828/Cal/85 Hochst Aktiengesellschaft Process for preparing lithium salts of anionic dyes having preferably fibre-reactive groups.

829/Cal/85 Dr. Krishna Soot. An improved paint composition.

830/Cal/85 (1) Magyar Szenhidrogenirari Kutato-Erzesz o Intezet (2) Koolites Felozozhanyozoti Vallalat. A process for increasing the yield of oil reservoirs.

The 22nd November, 1985

831/Cal/85 Veb Kombinat Feinmechanische Werke Halle. Arrangement for external modulation of CO<sub>2</sub> laser radiation of high performance.

832/Cal/85 (1) Voest-Alpine Aktiengesellschaft (2) Veb Schwermachinenbau-kombinat "Finst Thale" Magdeburg. Process and apparatus for thermally treating fine-grained solids particularly for burning ground raw material for making cement.

The 25th November, 1985

833/Cal/85 Institut Gornogo Dela Sibirs'ko-Otdelenia Akademii Nauk SSSR Reversible Percussive Action Machine

834/Cal/85 Edward Kennelman Multiple heating reactor and process for thermal treatment of carbonaceous.

The 26th November, 1985

835/Cal/85 Proh Elektrofeinmechanische Werke Taktol Proh, Nachf GmbH & Co. Multipoint Connector

836/Cal/85 Mitsui Ocean Development & Engineering Co., Ltd. Method for handling wellhead assembly.

837/Cal/85 RCA Corporation Electron gun assembly with reinforcing means for cup-shaped electrode.

838/Cal/85 RCA Corporation Color picture tube having improved shadow mask

839/Cal/85 RCA Corporation Color picture tube having improved line screen.

840/Cal/85 RCA Corporation Multibeam electron gun having a transition member and method for assembling the electron gun.

841/Cal/85 Alfa-Laval AB. A process for the production of ethanol.

842/Cal/85 Gosudarstvenny Nauchno-Issledovatel'sky Institut Khimii I Tekhnologii Elementoorganicheskikh Soedinenii Process for producing granular sodium percarbonate.

## APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING III RD FLOOR, KAROL BAGH, NEW DELHI-5

The 25th October, 1985

889/Del/85 Alok Sehgal and Ashwani Kumar Jolly, "Improvement relating to blowing of balloons".

890/Del/85 Imperial Chemical Industries PLC., "Coating compositions". (Convention date 5th November, 1984 & 12th June, 1985) (U.K.).

891/Del/85 Kwik Products Corporation, "Downhole tool with replaceable tool sleeve sections".

892/Del/85 Biostar Medical Products, Inc. "Method and article for detection of immune complexes".

893/Del/85 Noel Ivor Yule, "Improvements relating to teaching methods and aids".

894/Del/85 Bayer Aktiengesellschaft "Process for the preparation of 4-nitrodiphenylamines".

The 28th October, 1985

895/Del/85 Voest Alpine Aktiengesellschaft "A process and an arrangement for the production of molten pig iron and steel products".

896/Del/85 Compagnie Industrielle De Tubes Et Lampes Electriques C'tel, "Small size external short circuiting device".

897/Del/85 National Council for Cement and Building Materials "A process for the manufacture of white cement".

898/Del/85 National Council for Cement and Building Materials, "A process for the manufacture of white cement".

899/Del/85 Great Punjabhai Palkhiwala, "An apparatus for and a method of manufacturing internally and externally toothed gear lobes".

The 29th October, 1985

900/Del/85 Council of Scientific and Industrial Research, "A process for the preparation of substituted (1-methyl-2-pyrrolidinyliden)-sulfonamides".

901/Del/85 Vallourec, "Process and device for carrying out the screwing of a joint threaded for a tube".

902/Del/85 Union Rheinische Braunkohlen Kraftstoff Aktiengesellschaft "Motor Fuel".

The 30th October, 1985

903/Del/85 Isher Singh Gill, "Improvement in hydraulic weighing machine".

904/Del/85 The Lubrizol Corporation "Aqueous systems containing amino sulfonic acid derivatives or carboxylic acids".

905/Del/85 Krumm Polysius AG., "Apparatus for heat exchange between gas and fine-grained material".

906/Del/85 Westinghouse Brake and Signal Co., Ltd., "Actuator emergency operation" (Convention date 8th November, 1984) (U.K.).

907/Del/85 Exxon Research and Engineering Company, "A process for the preparation of a tertiary amino acid". [Divisional date 29th October, 82].

908/Del/85. Exxon Research and Engineering Company, "A process for the preparation of a mixture of N-secondary butyl glycine and N-secondary butyl N-methyl glycine". [Divisional date 29th October, 1982].

909/Del/85. Alcan International Ltd., "Anodic aluminium oxide film and method of forming it". (Convention date 5th November, 1984) (U.K.).

910/Del/85. Westinghouse Brake and Signal Company Ltd., "Fail safe output switching circuit". (Convention date 13th November, 1984) (U.K.).

911/Del/85. Exxon Research and Engineering Company, "Improved removal of phenols from water".

912/Del/85. John Derek Guest, "Improvements in or relating to tube couplings". (Convention date 12th November, 1984 & 4th April, 1985) (U.K.).

The 31st October 1985

913/Del/85. Amoco Corporation, "Composition and method for immobilizing cells and enzymes in a carrier matrix".

914/Del/85. Union Carbide Corporation, "Suspension bath and process for production of electrolytic manganese dioxide".

915/Del/85. Council of Scientific and Industrial Research, "A process for production of electrolytic and activated manganese dioxide simultaneously from natural manganese ores".

916/Del/85. Council of Scientific and Industrial Research, "Improvements in or relating to the extraction of nickel from lateritic nickel ores".

The 1st November, 1985

917/Del/85. Shri Ram Institute for Industrial Research, "A process for the preparation of tetra k-s-hyd. oxy methyl phosphonium chloride (THPC)".

918/Del/85. The Gillette Company, "Safety razor blades". (Convention date 15th November, 1984) (U.K.).

919/Del/85. Palime S.A., "Improved metal container". (Convention date 13th February, 1985) (Australia).

The 4th November, 1985

920/Del/85. UOP INC., "Process for separating isoprene".

921/Del/85. Warren Neville Tyson, "Turbine". (Convention date 7th November, 84 & 9th May, 1985) (Australia).

922/Del/85. Guy Gaudfrin, "Tightness device between the conveyor belt and the collecting box with one or more compartments of a vacuum belt filter".

The 5th November, 1985

923/Del/85. The Secretary of State for Defence in her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, "Alignment air for gun muzzle reference system". (Convention date 19th November, 1984) (U.K.).

924/Del/85. Intermatch S.A., "Valve assembly for disposable gas lighter".

925/Del/85. J & W Offshore AB., "Subsea foundation element and applications thereof".

926/Del/85. The Lubrizol Corporation, "Amino sulfonic acid derivatives of carboxylic acid containing interpolymers, and fuels, lubricants and aqueous systems containing said derivatives".

The 6th November, 1985

927/Del/85. Kennecott Corporation, "Jacket system for an enamelled or glassed vessel".

928/Del/85. Kennecott Corporation, "Weld Joint".

929/Del/85. Sevenes Solar Systems, "Improved boron doped semi-conductor materials and method for producing".

The 7th November, 1985

930/Del/85. Antonio Bruno Martins & Bismarck Martins, "Emergency temporary resuscitation air-way system".

931/Del/85. The Lubrizol Corporation, "Alkyl phenol and amino compound compositions and two cycle engine oils and fuels containing same".

The 8th November, 1985

932/Del/85. Jitender Gupta, "Interlocking hollow concrete block".

933/Del/85. Ravi Raj Gupta, "A spacer".

934/Del/85. National Council for Cement & Building Materials, "A paper synthetic bag".

935/Del/85. National Council for Cement & Building Materials, "An impermeable bag for packaging of cement".

936/Del/85. Samsonite Corporation, "Garment bag with improved packing capability".

937/Del/85. Union Carbide Corporation, "Improved ammonia synthesis gas purification".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 18th October 1985

290/Bom/85. R. N. Nayak, Improvements in and relating to leadscrew and nut pair.

291/Bom/85. Oronzio De Nora Impianti Electrochimici S.p.A. Electrode for electrochemical processes, method for preparing the same and use thereof in electrolysis cells.

292/Bom/85. Honeywell Information Systems Inc., Programmable universal synchronization byte detector.

The 21st October, 1985

293/Bom/85. S. S. Pandya, A liquid seed treater.

The 24th October, 1985

294/Bom/85. D. N. Marghade, A novel universal table or pedestal fan.

The 25th October, 1985

295/Bom/85. K. C. Darbary, Pillar post for combination machine tool.

296/Bom/85. Crompton Greaves Ltd. An electronic device for indicating and tripping power supply to an apparatus, equipment, installation, machine or switch board or panel responsive to temperature rise.

297/Bom/85. Paramount Sinters Pvt. Ltd. A slip-set setting seal device for effectively sealing the feed and/or discharge end of rotary retort furnace.

The 29th October 1985

298/Bom/85. J. Benjamin, De Soldering gun.

The 30th October, 1985

299/Bom/85. Peter Michael Ravlic, An improved indoor cricket ball.

The 31st October 1985

300/Bom/85. Hoechst India Ltd. Biologically Active 4-H-1-Benzopyran-4-one derivatives.

301/Bom/85. M. K. Mehta. A method and an apparatus for filling or sealing containers.

302/Bom/85. Hindustan Lever Ltd. Recovery of Nickel.

**APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002**

The 4th November, 1985

879/Mas/85. Mitsubishi Belting Ltd. Spring-locked variable speed pulley.

880/Mas/85. Marotta Scientific Controls, Inc. Valve for fire suppression. (Additional to Patent Application No. 1484/Cal/83).

881/Mas/85. Linde Aktiengesellschaft. CO<sub>2</sub> Addition to suppress H<sub>2</sub>S Evolution in Absorption-Desorption Process.

882/Mas/85. Bio-Organics, Inc. Microbial plant growth promoter and yield enhancer.

The 5th November, 1985

883/Mas/85. Glasstech, Inc. Glass sheet processing system including topside transfer apparatus.

884/Mas/85. Max Pasbrig. A universal wrench.

885/Mas/85. Owens-Illinois, Inc. Child resistant package with tamper indicating band.

886/Mas/85. Kyorin Pharmaceutical Co., Ltd. Quinolone Carboxylic acid derivatives.

887/Mas/85. Institut Francais Du Petrole. System using one or more remote controlled boats for conducting offshore operations.

888/Mas/85. Honda Giken Kogyo Kabushiki Kaisha. Samoese-type cylinder block blank and apparatus for casting the same.

The 6th November, 1985

889/Mas/85. L. Jagadishwar Rao. Improved multiband antenna.

890/Mas/85. Indian Institute of Technology. A method of manufacture of improved HSLA (High Strength Low alloy) Steel.

891/Mas/85. Pfister GmbH. Method and apparatus for continuous gravimetric metering and feeding of pourable material.

892/Mas/85. Foseco International Limited. Rotary device, apparatus and method for treating molten metal. (November 29, 1984; United Kingdom).

893/Mas/85. F. L. Smith & Co., Tube Mill. (December 4, 1984; Great Britain).

894/Mas/85. Frisco-Findus AG. New surfactants.

The 7th November, 1985

895/Mas/85. Lucas Industries Public Limited Company. An adjustable brake actuator, especially for vehicle drum brakes.

896/Mas/85. Institut Francais Du Petrole. A process for controlling the storage of data received by a seismic recording system and a device for implementing same.

897/Mas/85. Indian Space Research Organisation. Improvements in or relating to vacuum coating of metals on dielectric substrates.

The 8th November, 1985

898/Mas/85. Monsanto Company. Heat recovery from concentrated sulfuric acid.

899/Mas/85. Am General Corporation. Automated vehicle tire pressurization system.

900/Mas/85. Raychem Corporation. Protecting substrates.

**COMPLETE SPECIFICATION ACCEPTED**

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned may, at any time within four months of the date of this issue or within such further period not exceeding one month as prescribed in Form 14 prescribed under the Patents Rules 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patent Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specification listed below will be available for sale from the Government of India Book Depot, 8, Kiran Bankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra sent out of India). Application for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be procured by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges. The copying charges per page are Rs. 4/-.

CLASS : 155-A

1569

Int. Cl. : B 05 c 5/00

**A DIRECT EXTENSION PROCESS FOR PREPARING A COATED SUBSTRATE.**

Applicant : JOHNSON & JOHNSON, AT 501, GEORG STREET, NEW BRUNSWICK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : 1. RALF KORPMAN, 2. FELICE CHARLE PALERMO.

Application No. 1272/Cal/81 filed November 16, 1981.

Appropriate office for opposition proceedings (Rule Patents Rules, 1972) Patent Office, Calcutta.

**6 Claims**

A direct extrusion process for preparing a coated substrate from a viscous coating composition which comprises :

(a) feeding the component material or materials of coating composition into an extruder,

(b) advancing the material or materials forward in the extruder barrel to obtain a molten homogeneous composition, and

(c) passing the homogeneous composition through elongated extrusion die directly onto a substrate as it moves on a coating roll past the orifice of said die to form coated substrate, wherein

said orifice is positioned over said coating roll in such manner that the distance between the substrate and the orifice is no greater than about 50 mils,

said substrate is drawn to the die orifice from the direction such that the angle formed between a line representing the direction of approach of the substrate and a line representing the direction of extrusion is less than 90°, and

said coated substrate is drawn away from the die orifice in a direction such that the angle formed between the direction of extrusion and a line representing the initial departure direction of the coated substrate immediately on formation is no greater than 90°.

Compl. Specn. 21 pages. Drgs. 3 sheets.

CLASS : 143-D<sub>4</sub> & 5

156988

Int. Cl. : B 65 d 73/00

## PROCESS OF PRODUCING PACKAGING COVERS FOR CONTAINERS FROM STALKS/STEMS OF WATER HYACINTH.

Applicant &amp; Inventor : SWAPAN KUMAR SEN, OF 97-B, EKDALIA ROAD, CALCUTTA-700 019, WEST BENGAL, INDIA.

Application No. 182/Cal/82 filed February 17, 1982.

Complete specification left on 17th May, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

A process of producing packaging covers for containers from stalks/stems of water hyacinth comprising washing the water hyacinth thoroughly to remove the undesirable elements therefrom, discarding the leaf and root portions thereof while in green stage, dehydrating the same under controlled condition such as not to allow the same to be decomposed but to yield dried stalks/stems of hyacinth having significant cushioning and shock-absorbing characteristics, and forming packaging covers for containers of any type, shape or dimension by spin-weaving or inter-weaving the said dried stems/stalks over the containers themselves or on prototypes thereof, and if required, subjecting the stalks/stems of water hyacinth to anti-fungal treatment, such as herein described, prior to or subsequent to dehydration thereof.

Provisional Specn. 7 pages. Drgs. 1 sheet.

Compl. Specn. 13 pages. Drgs. Nil.

CLASS : 32-A

156989

Int. Cl. : C 09 b 33/00

## PROCESS FOR THE PREPARATION OF DISAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

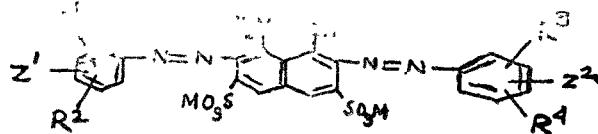
Inventors : 1. ERNST HOYER, 2. RUDOLF FASS.

Application No. 362/Cal/82 filed March 31, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

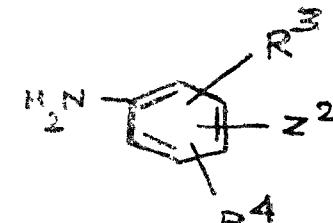
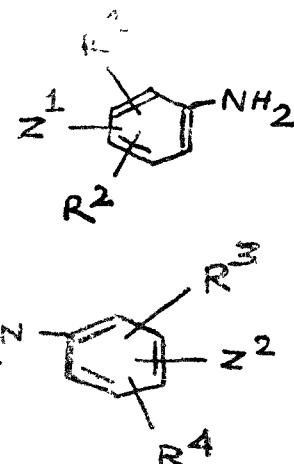
## 7 Claims

A process for the preparation of a disazo compound of the general formula (1) of the accompanying drawings:

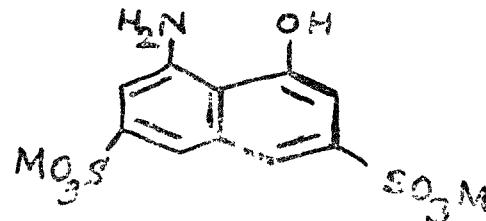
in which R<sub>1</sub> denotes a hydrogen atom, a

chlorine or bromine atom or a sulfo group, R<sub>2</sub> is a hydrogen atom or a chlorine or bromine atom, R<sub>3</sub> represents a hydrogen atom, an alky group having 1 to 4 C atoms or an alkoxy group having 1 to 4 C atoms and R<sub>4</sub> denotes an alkoxy group having 1 to 4 C atoms and Z<sup>1</sup> and Z<sup>2</sup> are each bonded in the benzene nucleus in the meta- or para-position relative to the azo group and each represents a hydrogen atom, a B-thio-sulfatoethylsulfonyl group, a vinylsulfonyl group or a B-sulfatoethylsulfonyl group, and Z<sup>1</sup> and Z<sup>2</sup> can be identical to or different from one another, but with the proviso that they do not both represent a hydrogen atom at the same time, and M represents a hydrogen atom or the equivalent of a metal such as hereinbefore described and the formula moieties R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and M are identical to or different from one another and also identical

to or different from Z<sup>1</sup> and Z<sup>2</sup>, which process comprises reacting an essentially equimolar mixture of two diazotized aromatic amines of the general formulae (2) and (3)



in which R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, Z<sup>1</sup> and Z<sup>2</sup> have the abovementioned meanings, with a, coupling compound of the general formula (4)



in which M has the abovementioned meaning, said reaction being carried out in stages of progressively decreasing acid pH starting from strong acid, going through weak acid and ending with weak alkaline pH, the pH ranging between 0 and 8.

Compl. specn. 15 pages.

Drg. 6 sheets.

CLASS : 32-A<sub>1</sub>

156990

Int. Cl. : C 09 b 62/44.

## A PROCESS FOR PREPARING WATER-SOLUBLE MONOAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

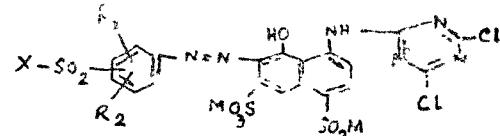
Inventors : 1. FRITZ MEININGER, 2. ERNST HOYER.

Application No. 622/Cal/82 filed May 31, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

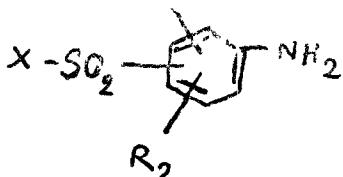
## 9 Claims

A process for preparing a water-soluble azo compound of the general formula (1) of the accompanying drawings:

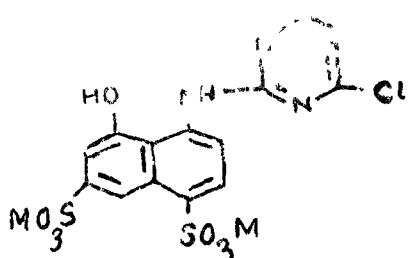


in which R<sub>1</sub> denotes a hydrogen atom, an alkyl group of 1 to 4 C atoms or an alkoxy group of 1 to 4 C atoms, R<sub>2</sub> is identical to or different from R<sub>1</sub> and is a hydrogen atom, an alkyl group of 1 to 4 C atoms or an alkoxy group of 1 to 4 C atoms or an alkoxy group of 1 to 4 C atoms, the group -SO<sub>2</sub>-X is bonded to the benzene nucleus in the meta-

or para-position relative to the azo group, but  $R_1$  and  $R_2$  are not simultaneously hydrogen if the group  $-SO_2-X$  is bonded in the para-position relative to the azo group  $X$  is the vinyl group or a group of the formula  $-CH_2-CH_2-Y$  in which  $Y$  denotes a chlorine atom or an acetoxy, phosphato, thiosulfato or sulfato group and  $M$  represents a hydrogen atom or an equivalent of a metal which comprises diazotizing an aromatic amine of the general formula (2)



in which  $R_1$ ,  $R_2$  and  $X$  have the meaning, mentioned above and the group  $-SO_2-X$  is bonded to the benzene nucleus in the para-position relative to the amino group, but  $R_1$  and  $R_2$  are not simultaneously hydrogen if the group  $-SO_2-X$  is in the para-position relative to the amino group, and occupying the diazotized product with a compound of the general formula (3)



with  $M$  of the meaning mentioned above at a temperature of from 5°C to 30°C and at a pH of from 4 to 7.5.

Compl. specn. 20 pH of from 4 to 7.5.

Compl. specn. 20 pages.

Dig. 2 sheets.  
156991

CLASS : 63-B

Int. Cl. : H 02 L 3/00

A DYNAMOELECTRIC MACHINE.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 5, NEW YORK, UNITED STATES OF AMERICA.

Inventor : 1. JHALMAR ALBERT OLSON.

Application No. 701/Cal/82 filed June 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A dynamoelectric machine comprising :

(a) a ferromagnetic core having a plurality of spaced-apart, generally parallel slots, each of said slots having juxtaposed first and second sections, said second section being disposed between said first section and the surface of said core;

(b) a plurality of electromagnetic coils located in the first sections of said core slots;

(c) a plurality of wedge means respectively located in the second sections of said core slots for retaining said coils in said slot, each of said wedge means comprising a rigid, unitary, non-conductive member the bottom and sides of which are substantially congruent, respectively, with the top of the coil parts that are located in the first section of the associated slot and with walls of said second section of the same slot.

Compl. Specn. 19 pages.

Drgs. 2 sheets.  
156992

CLASS : 116-C

Int. Cl. : B 65 g 15/08.

A MACHINE FOR TRANSFERRING BULK MATERIAL USING A TUBULAR BELT.

Applicant : JAPAN PIPE CONVEYOR CO LTD., OF 1-1, 1-CHOME, SAKAI-MACHI, KOKURAKITA-KU, KITA-KYUSHU-SHI, FUKUOKA-KEN, JAPAN AND HARUO OKAZAKI OF 1-2-20 MIYANO-MACHI, YAHATA-HIGASHI-KU, KITA-KYUSHU, FUKUOKA-KEN, JAPAN.

Inventor : 1 KUNIO HASHIMOTO

Application No. 818/Cal/82 filed July 16, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 3 Claims

A machine for transferring bulk material using a tubular belt in the desired height and direction comprising :

a flexible tubular endless belt which is suspended between two rollers at loading and unloading points spaced apart each other, and is opened at the loading and the unloading points, and

support frames, disposed at a certain distance along the length of the belt, supporting support rollers which are arranged in the direction of the periphery of the belt in contact therewith, the said flexible tubular endless belt being in a pipe-formed tubular form in its normal state so that its opposite side ends are adapted to be overlapped along the length of the belt, and the said support frames being arranged in pairs, each pair comprising first and second support frames, wherein the support rollers of the first and the second support frames are arranged alternately around the belt with respect to one another so as to support the pipe formed belt exactly on its periphery.

Compl. specn 10 pages.

Drg. 4 sheets.

CLASS : 128-F

156993

Int. Cl. : A 61 m 3/00

### AUTOMATIC INJECTION SYRINGE.

Applicant : DUPHAR INTERNATIONAL RESEARCH B.V. OF C J VAN HOUTENLAAN 36, WEESP, THE NETHERLANDS.

Inventor : 1. PAULUS R. KAMSTRA.

Application No. 856/Cal/82 filed July 24, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

### 10 Claims

An automatic injection syringe for injecting two or more different injection liquids which may not be in contact with each other for long periods of time, comprising a combination of a discharge mechanism, a cartridge holder and a cartridge which is slidably accommodated in the holder and which comprises an ampoule a piston which is movable in the ampoule and seals same, and a hypodermic needle connected to the front of the ampoule and, if desired, covered by a flexible sheath to maintain the needle in a sterile condition, said syringe being characterized in that the ampoule between the piston and the needle connection comprises one or more stoppers which are movable in the ampoule and which, before use of the syringe, keep the injection liquids present in the ampoule separated from each other in that their circumference adjoins the inner wall of the ampoule in a sealing manner, and that said cartridge at a short distance before the needle connection comprises a by pass means past which the injection liquid or injection liquids present behind the stopper or stoppers can reach the needle when during use of the syringe the stopper or stoppers are moved toward, said by-pass means extending longitudinally for a distance slightly greater than the length of the stopper or collection of stoppers.

Compl. specn 17 pages.

Drg. 2 sheets.

156994

CLASS : 129 Q & 136-E.

Int. Cl. : B 23 k 35/00 + B 23 p 3/00 + B 29 c 27/00.

APPARATUS FOR FABRICATING A THREE-DIMENSIONAL LATTICE STRUCTURE AND METHOD OF FORMING THE THREE-DIMENSIONAL LATTICE STRUCTURE FOR USE SUCH AS IN THE BUILDING INDUSTRY AS WALLS OR PARTITIONING OR FOR ANY OTHER PURPOSE.

Applicant : COVINGTON TECHNOLOGIES OF 2451 EAST ORANGETHORPE, FULLERTON, CALIFORNIA 92631, UNITED STATES OF AMERICA.

Inventor : 1. RICHARD F. ARTZER.

Application No. 859/Cal/82 filed July 26, 1982.

Convention dated 18th May, 1982 (82 14511) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims

Apparatus for fabricating a three-dimensional lattice structure for use such as in the building industry as walls or partitioning or for any other purpose, composed of a stack of space parallel trusses interconnected by cross wires, each truss including at least one longitudinal extending runner wire extending transversely of said cross wires and to which the cross wires are welded, said apparatus comprising:

a support,

means for holding said trusses on said support in spaced relation,

a plurality of fluid motors mounted on said support, a plurality of electrodes mounted on respective ones of said fluid motors for motion toward said trusses along paths aligned with respective runner wires of said trusses,

means for positioning a cross wire transversely of said runner wires and transversely of said electrode paths, means for flowing electric current between said electrodes along said paths to press said cross wires and runner wires together with like predetermined pressures, and means for flowing electric current between said electrodes and said wires.

Compl. specn. 47 pages.

Drg. 9 sheets.

CLASS : 151-B

156995

Int. Cl. : B 08 b 3/00, 5/00, 9/00.

AN APPARATUS FOR REMOVING DEPOSITS FROM HIGHLY HEATED SURFACES.

Applicant : THE PARCOCK & WILCOX COMPANY, 1010 COMMON STREET, NEW ORLEANS, LOUISIANA-70112, UNITED STATES OF AMERICA.

Inventor : 1. CHARLES WESLEY HAMMOND

Application No. 926/Cal/82 filed August 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

Means for dislodging an adherent deposit from the heated area of a heat exchanger comprising a water lance having a plurality of isolated water passages extending in circumferential direction through a plurality of nozzles carried by the lance, including at least one nozzle connected to one of said passages and another nozzle connected to another of said passages, means for projecting a stream of liquid through each of said passages and from the nozzle connected thereto, means for periodically interrupting the flow from one of said nozzles to break the stream from said nozzle into pulses which develop a higher peak impact pressure than the stream from the other nozzle, and means for moving the lance in a pattern such that portions of said deposit along a predetermined path are successively contacted first by the stream of lower impact pressure and then by said pulses.

Compl. specn. 15 pages.

Drg. 3 sheets.

CLASS : 151-B

156996

Int. Cl. : F 28 g 13/00.

DEVICE FOR DISLODGING AN ADHERENT DEPOSIT FROM THE HEATED AREA OF A HEAT EXCHANGER.

Applicant : THE PARCOCK & WILCOX COMPANY, 1010 COMMON STREET, NEW ORLEANS, LOUISIANA-70112, U.S.A.

Inventors : 1. JOHN ERNEST NELSON, 2. CHARLES WESLEY HAMMOND, 3. ROLLAND EUGENE HISTON, 4. MICHAEL RAYMOND HERTON.

Application No. 927/Cal/82 filed August 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Device for dislodging an adherent deposit from the heated area of a heat exchanger comprising a water lance for projecting liquid cleaning medium in the form of a jet against the deposit, and means for moving the lance both axially and angularly to move the jet over the deposit at a controlled rate of progression, characterized by means comprising a fluidic switching device within the lance having an inlet within the lance and having a plurality of outlets for sequentially interrupting the jet to create pulses of a frequency high enough to cause the leading portion of at least one pulse to strike the deposit during each increment of movement of the jet which corresponds to the diameter of the jet at the position of impact, the frequency of interruption of the jet lying outside the range of natural frequencies of oscillation of the lance.

Compl. Specn. 15 pages.

Drgs. 5 sheets.

156997

CLASS : 17-A<sub>2</sub> E; 32-F<sub>3</sub> (c).

156997

Int. Cl. C07 c 31/08 C 12 c 11/08.

A PROCESS FOR THE PREPARATION OF ALCOHOL BY FERMENTATION.

Applicant : KYOWA HAKKO KOGYO KABUSHIKI KAISHA, OG 6-1, OHTE-MACHI 1-CHOME, CHIYODA-KU, TOKYO-TO, JAPAN.

Inventors : 1. TATSUMI SEKI, 2. HAJIME MISONOU.

Application No. 1074/Cal/82 filed September 18, 1982.

Convention date 26th January, 1982 (82/20289) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for the preparation of alcohol by the fermentation of a yeast in a culture broth, characterized in that a portion of said broth is removed when the concentration of alcohol in said broth is from 5 to 12 per cent by volume, a new culture medium being added to the remaining portion of the broth to accumulate alcohol in said remaining portion.

Compl. Specn. 12 pages. Drgs. 4 sheets.

CLASS : 112 D

156998

Int. Cl. : B 65 h 57/00 G 03 h 1/42

GUIDE DEVICE FOR A LIGHT WAVE CONDUCTOR.

Applicant : BUNKER RAMO CORPORATION OF COLUMBIA ROAD AND PARK AVENUE, MORRIS TOWNSHIP, MORRIS COUNTY, NEW JERSEY, UNITED STATES OF AMERICA

Inventor : 1. GEORG WERNER SCHROTT.

Application No. 1109/Cal/82 filed September 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A guide device for a light wave conductor for mounting a filament of a light wave conductor said device having an inlet opening extending along its longitudinal axis from an inlet end for mounting the filament with its filament end in front, the filament being adapted to be fastened in the inlet opening by a fastening device characterized in that the inlet opening is provided with a contact surface forming an installation opening capable of receiving filaments of different diameters.

Compl. specn. 9 pages.

Drg. 2 sheets.

CLASS : 123

156999

Int. Cl. : C 05 b 7/00.

## A PROCESS FOR THE PRODUCTION OF NP FERTILIZER.

Applicant : PROJECTS & DEVELOPMENT INDIA LTD. FORMERLY THE FERTILIZER (PLANNING & DEVELOPMENT) INDIA LTD. OF C.I.T. BUILDINGS, P.O. SINDRI, PIN 828122, DIST. DHANBAD, BIHAR, INDIA.

Inventors : 1. DR. ALAKH DHARI PANDEY, 2. DR. RAMCHANDRA YADAV, 3. DR. SATYENDRA VARMA. Application No. 1155/Cal/82 filed October 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A process for the manufacture of n'tro-phosphate fertilizer which comprises reacting rock phosphate with nitric acid characterized by the following steps :—

- (i) crushing rock phosphate to pass through 20 mesh B.S.S.,
- (ii) digesting the portion of -20 mesh B.S.S. with 25% to 53% strong nitric acid, the strength of the acid being determined based upon the quality of rock phosphate used,
- (iii) carrying out the digestion at temperatures of 60° to 75°C for a period of time sufficient enough such that most of the impurities present in the rock phosphate remain undissolved while most of the P<sub>2</sub>O<sub>5</sub> content is extracted, followed by
- (iv) removing the insoluble portion from the acid extract in a known manner,
- (v) concentrating the Extract of step (iv) to obtain a concentrated solution having 10 to 12% P<sub>2</sub>O<sub>5</sub> content followed by,
- (vi) adjusting the pH of the concentrated solution between 0.5 to 0.8 by the use of an acid such as nitric acid or sulphuric acid whereafter,
- (vii) the pH adjusted-acid extract concentrate is then subjected to a step of calcium ion removal in the form of gypsum by the addition of ammonium sulphate solution at temperature of 60 to 80°C and removal of the precipitated gypsum crystals in known manner *per se* whereafter,
- (viii) The gypsum free liquid extract containing ammonium nitrate, phosphoric acid, some nitric acid and any dissolved calcium phosphate is brought to a pH of 1.0 to 2.5 by use of further acid such as strong nitric acid and sulphuric acid, whereafter,
- (ix) the thus acid treated and pH adjusted liquid extract is reacted with granulated or ground rock phosphate at temperatures of 100° to 115°C in order to convert as much portion of the phosphoric acid available in the liquid extract to monocalcium phosphate and the nitric acid to calcium nitrate, thereafter,
- (x) subjecting the slurry thus obtained in the previous step to evaporation to remove water thereby to obtain a concentrate,
- (xi) raising the temperature of the concentrate thus obtained in step (x) to a temperature of 170° to 178°C in order to obtain a clear melt which is thereafter,
- (xii) subjected to a step of prilling or granulation in a known manner *per se* to obtain granulated fertilizer.

Compl. specn. 16 pages.

Drg. Nil.

CLASS : 68 D

157000

Int. Cl. : G 01 m 3/00.

## IMPROVED ELECTRICAL APPARATUS HAVING LEAK DETECTION MEANS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : 1. DONALD EDWARD VOYTIK, 2. EDWARD JOHN WALSH.

Application No. 1159/Cal/82 filed October 7, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 4 Claims

An improved electrical apparatus of the type which employs a halogenated aliphatic dielectric fluid, such as transformers, with means indicating leakage of dielectric fluid from the apparatus, the improvement resides in the leakage indicating means comprising an ultra violet light source and the compound 2, 2'-(5-phenylidyl) bis (tert-butylbenzoxazole) being provided with the dielectric fluid at a concentration range of 5 to 1000 ppm which fluoresces under ultra-violet light to thereby readily indicate any dielectric fluid leakage in the apparatus.

Compl. specn. 11 pages.

Drg. 1 sheet.

CLASS : 33-A &amp; H

157001

Int. Cl. : B 22 d 17/00, 17/08.

## PNEUMO-PISTON METHOD FOR CASTING METALS AND OTHER MATERIALS AND APPARATUS FOR ITS REALIZATION.

Applicant : INSTITUTE PO METALOZNANIE I TECHNOLOGIA NA METALITE, 53, CHAPEAV STREET, SOFIA, BULGARIA.

Inventors : 1. IVAN DIMOV NIKOLOV, 2. TODOR NIKOLOV TRENDAFILOV.

Application No. 1243/Cal/82 filed October 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 2 Claims

A pneumo-piston method for casting metals and other materials such as herein defined, particularly on piston machines with horizontal injection chamber, in which the casting is effected under pressure at a simultaneously gas counter-pressure, while the solidification of the melt inside the casting mould takes place under the action of pressure on both sides within the limits of 15 to 25 MPa characterized in that, before the start of the casting process, the cavity of the casting mould and the space of the horizontal injection chamber are separated, and there is produced a gas pressure in the cavity of the casting mould and simultaneously in the horizontal injection chamber there is poured in melt, and after the starting of the casting process the cavity of the casting mould and the space of the horizontal injection chamber are connected.

Compl. specn. 13 pages.

Drg. 2 sheets.

CLASS : 84-C<sub>2</sub>

157002

Int. Cl. : C 10 I 5/48.

## PROCESS FOR MAKING COMPAKTED SHAPES OF BAGASSE FOR INCREASING ITS EFFECTIVENESS AS A SOURCE OF ENERGY.

Applicant : DAVIES HAMAKUA SUGAR COMPANY, OF P.O. BOX 250, PAAUILO, HAWAII 96776, UNITED STATES OF AMERICA.

Inventors : 1. PIERRE E. BOUVET, 2. NORLAND L. C. SUZOR.

Application No. 1245/Cal/82 filed October 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 13 Claims

A process for making compacted shapes of bagasse for increasing its effectiveness as a source of energy in combination with a sugar mill operation in which bagasse from the mill is used as a boiler fuel for the sugar mill operation, comprising: subjecting a stream of wet bagasse containing coarse and fine particles from the sugar mill to a drying operation in which said bagasse is contacted with a stream of hot flue gas from the boiler and drying said fine particles to a moisture content of from 6-14%, separating the dried fine particles from the coarse particles and densifying said fine particles at a moisture content of from 6-14% into compacted shapes of bagasse for use as fuel.

Compl. Specn. 18 pages.

Drgs. 1 sheet.

CLASS : 131-C.

157003.

Int. Cl. E 21 d 23/00.

## A METHOD OF CONSTRUCTION OF IMPROVED SAFETY PILLARS FOR THE EXTRACTION OF MINERAL DEPOSITS IN MINES.

Applicant : TATABANYAI SZENBANAYAK OF 1, VERTANUK TERE, 2800 TATABANYA, HUNGARY.

Inventors : 1. ANDRAS SOLYMOS, 2. KAROLY BARSI, 3. ISTVAN FORISEK, 4. LASZLO DOROMBOZI, 5. OTTO IUKONITS, 6. LASZLO KIS-TAMAS.

Application No. 1290/Cal/82 filed November 3, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims

A method of construction of improved safety pillars for the extraction of mineral deposits in mines, wherein the mineral deposit is divided horizontally and/or vertically into sections and/or slices, subsidiary (secondary) roadways and boundary roadways are driven open along the sections, slices and/or the mineral deposit (seam), and the mineral material is extracted by a caving system and wherein consolidated zones are formed, by brakage consolidation and/or by pillars of broken ore or mineral material, on at least one side of the subsidiary and boundary roadways and/or in the roof the slice(s) following the first slice, characterized in that the said pillars are made to advance and/or retreat and the subsidiary and/or boundary roadways or individual sections of the mineral are abandoned by caving in after the extraction of the mineral material, and the working roadway conveying and ventilation are carried out via the respective open subsidiary and boundary roadway sections and optionally through the gallery.

Compl. Specn. 17 pages.

Drgs. 3 sheets.

CLASS : 127-C.

157004

Int. Cl. F 16 h 7/08.

## A SCRAPER CHAIN TENSIONING DEVICE.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : 1. ALEXANDER BOSSO.

Application No. 1469/Cal/82 filed December 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A scraper chain tensioning device comprising a set of rollers (18 and 20) at one end and a pair of rollers (22) at the other end over which the scraper chain travels, said rollers (22) being driven by a motor, rollers (18 and 20) being mounted on a movable shaft (26) which shaft is mounted at its ends in bearings (28, 30); the housings whereof are connected to pistons (32 and 34) through piston rods (36 & 38) respectively said bearing housings having extensions (37) which slidably rest on supports (39) thereby permitting the shaft (26) to move along a path angled from the horizontal, force being applied to the shaft (26) through bearing housing (37) connected to pistons (32 & 34) movable by hydraulic

means such as compressed air contained in a tank (42), thereby tensioning the two scraper chains (12 & 14).

Compl. Specn. 5 pages.

Drgs. 1 sheet.

CLASS : 69-Q.

157005.

Int. Cl. H 01 h 51/34.

## VACUUM INTERRUPTER.

Applicant : KABUSHIKI KAISHA MEIDENSHA OF 1-17, OHSAKI 2-CHOME, SHINAGAWA-KU, TOKYO, JAPAN.

Inventors : 1. HIROSHI MIYAGAWA, 2. MASAYUKI KANO.

Application No. 1495/Cal/82 filed December 27, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A vacuum interrupter, comprising a metallic member for a vacuum envelope;

an insulating member for the vacuum envelope, made of unglazed insulating ceramics;

a pair of separable stationary and movable contacts contained in the vacuum envelope;

a movable lead rod rigidly secured to the movable contact, extending outwardly of the vacuum envelope;

bellows secured in a vacuum-tight manner to the movable lead rod and to the vacuum envelope; and

an impervious insulating film which is coated adhesively on atmospheric-side surfaces of the unglazed insulating ceramic member for the vacuum envelope and of a connected portion in vacuum-tightness and vicinity thereof between the unglazed insulating ceramic member and the metallic member of the vacuum envelope.

Compl. Specn. 21 pages.

Drgs. 3 sheets.

CLASS : 32 E.

157006.

Int. Class : C08f 45/00.

## "STABILIZED AQUEOUS SOLUTIONS OF ACRYLAMIDE POLYMER COMPOSITION".

Applicant : NITTO KAGAKU KOGYO KABUSHIKI KAISHA, A JAPANESE CORPORATION, OF 5-1 MARUOUCHI 1-CHOME, CHIYODA-KU, TOKYO-TO, JAPAN AND KAWAGUCHI KAGAKU KOGYO KABUSHIKI KAISHA, A JAPANESE CORPORATION, OF 8-4, UCHIKANDA 2-CHOME, CHIYODA-KU, TOKYO-TO, JAPAN.

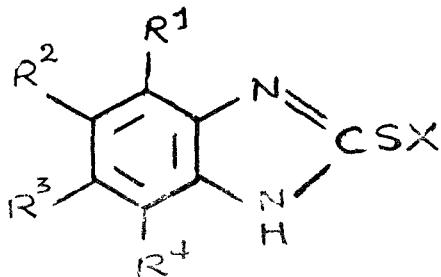
Inventors : SHOICHI KANDA, YASUNOSUKE TANABE, TESHIKAZU ODA & TAKASHI ARAI.

Application for Patent No. 577/Del/81 filed on 8th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

## 4 Claims

A stabilized aqueous acrylamide polymer composition containing in combination (A) a 2-mercaptobenzimidazole compound have the formula I



where each of R<sup>1</sup> & R<sup>4</sup> is a hydrogen atom, a methyl or ethyl group, and X is a hydrogen atom, an alkali metal or ammonium, or a tautomer thereof and (B) a phenolic antioxidant compound such as herein described, the mole ratio (A)/(B) being in the range of 0.1 to 20 and the total quantity of said two compounds used being in the range of 0.01 to 20 parts by weight of the acrylamide polymer.

Compl. specn. 16 pages. Drg. 1 sheet.

CLASS : 103.

157007.

Int. Class : F28g 3/16.

**"ROTARY WALL DESLAGGER":**

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF DELAWARE, WITH OFFICES AT 11770 BEECH ROAD, CLEVELAND OHIO 44111, UNITED STATES OF AMERICA.

Inventor : THEODORE ROBERT SILVER.

Application for Patent No. 580/Del/81 filed on 9th September, 1981.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

**15 Claims**

A rotary wall deslagger, which comprises : a main support structure; a lance tube rotatably, axially movably supported by said main support structure; means to rotate said lance tube; means to axially displace said lance tube from a non-working position to a working position including a driving device and a driven element mechanically associated with said driving device; said driven element being mechanically coupled to said lance tube and selectively displaceable relative to said lance tube; and cleaning fluid discharge means associated with said lance tube; said driven element being in a normally-locked, mechanically-coupled relation with said lance tube, and being operative to activate said cleaning fluid discharge means; and means to release said normally locked, mechanically-coupled relation after said lance tube has been displaced to said working position whereby said driven element may be displaced relative to said lance tube to activate said cleaning fluid discharge means.

Compl. specn. 10 pages. Drgs. 2 sheets.

CLASS : 163B.

157008.

Int. Class : F61h 39/00 41/00.

**"APPARATUS FOR PUMPING FOAMING OR FROTHING LIQUIDS".**

Applicants : SALA INTERNATIONAL AB, A SWEDISH COMPANY OF P.O. BOX 302 S-733 SALA, SWEDEN.

Inventors : ARIHIO RAIMO ANTRO, ERIKSSON BENGT OVE, & LIDIN JAN EMIL.

Application for Patent No. 583/Del/1981 filed on 10th September 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5

**15 Claims**

An apparatus for pumping, stirring or frothing liquids comprising an impeller a pump casing (1) arranged around said impeller and having an outlet opening connected to a discharge line (2) for pumped liquid; a sump (3) which is connected to a pump casing and of which at least that part located nearest the pump casing (1) has the shape of truncated cone (5) with the apex directed towards said casing (1) and has a substantially vertical axis (19); and at least one liquid supply line (7) discharging into the sump (3), characterized in that arranged in the sump (3) is an elongate vent means (17) for venting gases released from the pumping or frothing liquid, said vent means having an upper opening (16) against the surrounding atmosphere, and a lower opening (18) located at least partially within the air core (C) of the swirl or whirl pool created in the sump (3) when the pump is operating.

Compl. specn. 12 pages

Drg. 1 sheet

CLASS : 8D, & 68B

157009

Int. Cl. : H02p 7/00, 15/00

**OVERHEAD ELECTRIC AND OPTICAL TRANSMISSION SYSTEMS**

Applicant : BICC LIMITED, A BRITISH COMPANY, OF 21 BLOOMSBURY STREET, LONDON EC1B 3QN ENGLAND.

Inventors : PHILLIP DEY & KARL WOLFGANG PLES.

Application for Patent No. 589/Del/81 filed on 14th September, 1981.

Convention date 15th September, 1980/8029943/(U.K.).

Appropriate office for opposition proceedings (Rule 4 Patents Rules 1972) Patent Office Branch New Delhi-110005

**19 Claims**

An overhead electric and optical transmission system of the kind in which one or more than one bare overhead electric conductors, which includes one or more than one optical guide comprising at least one optical fibre for the transmission of light, is freely supported in long lengths between spaced towers or other supports, wherein an optical guide joint between two optical guides comprising a housing which is directly or indirectly mounted above the ground on one of said towers or other supports and into which passes after each of said optical guides connected at the joint which accommodates the joint or joints between optical fibres of said optical guides and which is at least partially filled with an electrically insulating medium in a fluid or semi fluid state to an extent sufficient to surround said optical fibre joint or joints, each of said optical guides effecting a substantially fluid tight seal with a wall of the housing or entering the housing in such a way that risk of water or other liquid entering the housing is substantially eliminated.

Compl. specn. 15 pages

Drg. 3 sheets.

CLASS : 42A.

157010

Int. Cl. : A 24 C 5/00.

**DEVICE FOR TRANSFERRING BAR SHAPED ARTICLES.**

Applicant : G. D. SOCIETA PER AZIONI, OF VIA POMPONIA, 10, BOLOGNA, ITALY, AN ITALIAN COMPANY.

Inventor : ENZO SERAGNOTTI.

Application for Patent No. 591/Del/81 filed on 15th September, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch New Delhi-110005

**4 Claims**

Device for transferring bar shaped articles, comprising two conveyors provided with housings for accomodating the said articles, spaced in each conveyor at a different pitch, and a link up conveyor that connects the said two conveyors one to the other and is adjacent to the said ones in the region of what are defined the transfer positions, characterised in that the said link-up conveyor comprises a first rotating element for supporting a plurality of lever articulations, each of which is equipped with an arm provided with a housing for accomodating and withholding one of the said articles, and a second rotating element, rotating in the same direction and at the same angular velocity as the former, mounted on a separate axis parallel to the axis of the said first rotating element, means of connection being provided between the said second rotating element and each of the said lever articulations, the mean peripheral rate of motion of the said two conveyors being virtually identical to the mean peripheral rate of motion of the housings in the said link up conveyor.

Compl. specn. 14 pages.

Drg. 2 sheets.

CLASS 32B 157011  
Int Cl C 07 c 7/00

ISOBARIC PROCESS FOR SEPARATING NORMAL PARAFFINS FROM NON NORMAL HYDROCARBONS

Applicant UNION CARBIDE CORPORATION MANUFACTURERS, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, LOCATED AT 270 PARK AVENUE NEW YORK STATE OF NEW YORK 10017, UNITED STATES OF AMERICA

Inventor ANDRIJA FUDERER

Application for Patent No 592/Del/81 filed on 15th September 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005

12 Claims

An isobaric process for separating normal paraffins such as herein described from non normal hydrocarbons in a gas oil containing feed stream such as herein described by (1) the selective adsorption of normal paraffins by passage of said feed stream through a molecular sieve adsorbent bed (2) co current purge with n hexane to sweep out void space vapor containing a high concentration of non-normal hydrocarbons from the effluent end of the bed, (3) counter current purge with n hexane to desorb normal paraffin adsorbate from the bed, (4) recovery of n-hexane from said separated normal paraffins and non normal hydrocarbon, and (5) recycling of said n hexane for purging and desorbing of said bed and to dilute the gas oil containing feed stream for absorption at less than 700°F the improvement comprising diluting said gas oil containing feed stream with counter current purge effluent is a source of n hexane used to enable processing of said feed stream to be separated at less than 700°F without capillary condensation effects

Compl specn 22 pages Drg 1 sheet

CLASS 98 157012  
Int Cl F 28 d 5/00

FLUIDIZED BED REACTOR WITH VERTICAL COOLING COILS

Applicant DOKR OLIVER INCORPORATED OF 77 HAVEMYER LANE STAMFORD CONNECTICUT 06904 UNITED STATES OF AMERICA A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE UNITED STATES OF AMERICA

Inventors HENRY SOON CHAN KWON & WALTER WILHFIM JUKKOLA

Application for Patent No 595/Del/81 filed on 16th September, 1981

7 Claims

A fluidized bed reactor comprising a reactor vessel having a reaction chamber therein

said reaction chamber including a fluidized bed zone in the lower portion thereof and a freeboard zone above said fluidized bed zone

a windbox separated from said reaction chamber by a constriction plate

said constriction plate being capable of supporting a body of particulate solids thereon in said fluidized bed zone,

tuyeres mounted in said constriction plate and extending upwardly into said reaction chamber providing gas ports for injecting fluidizing gases into said reaction chamber to thereby form a fluidized bed of said particulate solids in said fluidized bed zone

at least some of said tuyeres having said gas ports spaced from said constriction plate to provide a region of static or quiescent particulate solids between the said spaced gas ports and said constriction plate,

a horizontal steam header for heat exchange fluid external to said reactor vessel,

a horizontal steam header for heat exchange fluid external to said reactor vessel and at a level higher than said water header,

a plurality of heat exchanger coils in said reactor chamber,

said heat exchanger coils each comprising an essentially vertical central section and upper and lower angle bend sections attached to the extremities of said vertical central section

said upper angle bend section passing through the wall of said reactor vessel and connecting the upper end of said vertical central section of said heat exchanger coil to said steam header,

said lower angle bend section passing through the wall of said reactor vessel and connecting the lower end of said vertical central section of said heat exchanger coil to said steam header

said vertical central section being positioned in said freeboard zone of said reactor chamber,

said lower angle bend section being positioned in said region of static or quiescent particulate solids on said construction plate

Compl specn 15 pages Drg 2 sheets  
CLASS 34d 157013  
Int Cl C 08 d—15/00 23/00

'A PROCESS FOR MAKING OF CARBOXY METHYL STARCH'

Applicants SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH 19 UNIVERSITY ROAD, DELHI-110007 INDIA AN INDIAN INSTITUTE

Inventors BIHARI LAL BANSAL, JAGDISH KUMAR GULATI

Application for Patent No 596/Del/1981 filed on 17th September, 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5

8 Claims

A process for the preparation of carboxymethyl starch which comprises in preparing a dry mix of starch, an etherifying agent such as herein described and caustic soda, wetting said mix by addition of a wetting agent consisting at least of alcohol and/or acetone heating said wetted mixture to a temperature below 70 deg C to obtain carboxymethyl starch

Compl specn 10 pages

CLASS 31 b & c 157014  
Int Cl C 08 b—15/00, 23 00

'A PROCESS FOR THE PREPARATION OF CARBOXY METHYL STARCH'

Applicants SHRI RAM INSTITUTE FOR INDUSTRIAL RESEARCH 19, UNIVERSITY ROAD, DELHI-110001, INDIA, AN INDIAN INSTITUTE

Inventors JAGDISH KUMAR GULATI & BIHARI LAL BANSAL

Application for Patent No 597/Del/1981 filed on 17th September, 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi

6 Claims

A process for the preparation of carboxy methyl starch which comprises in preparing a dry mix consisting of starch, caustic soda and a etherifying agent, such as herein des-

cribed adding water to the dry mix in a ratio not greater than 1 : 7 so as to induce a reaction, when heated, and which simultaneously does not cause a gelling or swelling of starch, heating said mix to a temperature not exceeding 70°C under agitation to obtain carboxy methyl starch

Compl Specn 9 pages

CLASS 32E 157015  
Int Cl. C08t 25/00

**A PROCESS FOR THE PREPARATION OF COPOLYCARBONATES**

Applicants NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA 61 RING ROAD LAJPAT NAGAR III, NEW DELHI 110024, INDIA

Inventors KRISHAN KUMAR SHARMA, VIRENDER KUMAR TANDON, NEELAM GROVER & KRISHAN KUMAR JAIN

Application for Patent No 598/Del/81 filed on 17th September, 1981

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

**9 Claims**

A process for the preparation of copolycarbonates which comprises in separately preparing solutions as herein described of bisphenol A and tetrachloro bisphenol A, mixing the two solutions adding a solvent consisting of methylene chloride, and then adding under stirring conditions an end capping agent selected from aliphatic and aromatic alcohols, and a catalyst as herein described and such that the catalyst is dispersed in the solution passing liquid phosgene for a period of 20 to 25 minutes and, thereafter, allowing the reaction to run for a period of 2 to 5 hours

Comp Specn 12 pages

CLASS 32E 157016  
Int Cl. C08t 25/00

**A PROCESS FOR THE PREPARATION OF COPOLYCARBONATES**

Applicant NATIONAL RESEARCH DEVELOPMENT CORPORATION OF INDIA, 61 RING ROAD, LAJPAT NAGAR III, NEW DELHI 110024, INDIA

Inventors KRISHAN KUMAR SHARMA, VIRENDER KUMAR TANDON, DEV DULARI DHIMAN & KRISHNA KUMAR JAIN

Application for Patent No 599/Del/81 filed on 17th September, 1981.

Complete specification left on 16th September, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

**8 Claims**

A process for the preparation of copolycarbonates which comprises in preparing the solution of bisphenol A and tetrabromo bisphenol A in Alkali adding a solvent consisting of methylene chloride and then adding under stirring conditions and end capping agent selected from aliphatic and aromatic alcohols and a catalyst as herein described and such that the catalyst is dispersed in the solution, passing liquid phosgene for a period of 20 to 25 minutes and thereafter, allowing the reaction to run for a period of 1 to 6 hours

Provisional specification 5 pages

Complete specification 11 pages

CLASS 145-F2 & 3 157017  
Int Cl. D 21 c 9/16

**PROCESS FOR THE TREATMENT OF CHEMICAL PAPER PULPS**

Applicant PCUK PRODUITS CHIMIQUES UGINE KUHLMANN OF TOUR MANHATTAN-LA DEFENSE 2 & 6 PLACE DL LIRIS 92400 COURBEVOIE FRANCE

Inventors 1 DOMINIQUE LACHENAL 2 CHRISTIAN DE CHOUDEN

Application No 18/Cal/83 filed January 4, 1983

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

**11 Claims**

Process for the treatment of chemical paper pulps which process comprises treating the pulp in a first treatment step with an acid solution and then in a second treatment step with an alkaline peroxide solution containing from 0.5 to 10% by weight of hydrogen peroxide characterised in that the first treatment step is carried out at a temperature of at least 50°C and a pH of from 1 to 5

Compl Specn 17 pages Drgs nl

CLASS 194 B 157018  
Int Cl. H 01 t 39/60

**VACUUM DETECTOR**

Applicant WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING GATEWAY CENTER PITTSBURGH PENNSYLVANIA 15222, UNITED STATES OF AMERICA

Inventors 1 WILLIAM JAMES LANGE 2 CLIVE WILLIAM KIMBLIN 3 JOHN FRANK PERKINS 4 ROY EDWARD VOSHALL 5 FRED BOULD

Application No 63/Cal/83 filed January 15, 1983

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

**4 Claims**

A vacuum detector, for a vacuum circuit interrupter comprising a high frequency high voltage source means disposed to excite an electrical discharge current in a vacuum detector metering means disposed to measure said electrical discharge current and monitoring means responsive to said metering means responsive to said metering means for indicating the pressure within said vacuum device

Compl Specn 5 pages Drg 1 sheet

CLASS 57-A 157019  
Int Cl. E 05 t 3/00

**SNUBBIR**

Applicant ABEX CORPORATION 530 FIFTH AVENUE NEW YORK NY 10036 U.S.A

Inventors 1 RAYMOND JOHN NOVOTNY, 2 HENRY JOHN HIEIN

Application No 83/Cal/83 filed January 21, 1983

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

**14 Claims**

A snubber for use with a dipper which includes an opening and a door pivoted to the dipper for movement through an intermediate position between positions opening and closing the opening characterized by the snubber having a pair of end lugs interconnected by an elongated elastomeric working section each end lug having mounting means for connecting the snubber between the dipper and the door so that the working section is subjected to tensile stress during door movement from the intermediate position to the closed position to retard door closing is subjected to bending stress during door movement from the intermediate position to the open position to retard door opening and is unstressed in the intermediate position

Compl Specn 9 pages

Drgs 3 sheets

CLASS 131-B<sub>1</sub> 157020

Int Cl E 21 b 37/00

## APPARATUS FOR REMOVING COVERING MATERIAL FROM UNDERWATER PIPELINES

Applicant McDERMOTT INCORPORATED OF 1010 COMMON STREET P O BOX 60035, NEW ORLEANS, LOUISIANA 70160 UNITED STATES OF AMERICA

Inventors 1 BILLY RAY LEDI ORD, 2 ALAN JOHN HARTT

Application No 203/Cal/83 filed February 21, 1983

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta

10 Claims

Apparatus for removing covering material from underwater pipelines, the apparatus comprising

- a a frame,
- b means for clamping said frame to a material covered underwater pipeline,
- c at least one cutting means, and
- d carriage means attached to said frame for effecting movement of said cutting means in a direction long the pipeline for cutting of pipeline covering material, said carriage means including at least one guide member rigidly attached to said frame and extending beyond said clamp means to act as a cantilever for support of said cutting means away from the points of attachment of the apparatus to a pipeline

Compl Spec 16 pages

Draws 4 sheets

## OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by The Atul Products Limited to the grant of a Patent on application No 154405 made by Bayei Aktiengesellschaft as notified in the Gazette of India, Part III, Section 2 dated 11th May, 1985 has been withdrawn and order that the application for Patent to be sealed

(2)

An opposition has been entered by Shri Malaikkan KMV Specialist Bharat Heavy Electricals Ltd, Tiruchirappalli-620014 to grant of a patent on application No 155592 dated 17th March, 1981 made by Saraswati Industrial Syndicate Ltd

(3)

An opposition has been entered by M/s Khatan Fans Private Limited to the grant of a patent on application No 156189 made by M/s Crompton Greaves Limited

## CORRECTION OF CLERICAL ERRORS

Under section 78(1) of the Patents Act, 1970 certain clerical errors occurring in the Patent in respect of Patent No. 153080 were corrected on 6th November, 1985

## PATENTS SEALED

150031 152936 152937 154447 154477 154478 154586 154589  
 154590 154692 154711 154736 154739 154746 154748 154749  
 154750 154755 154756 154757 154758 154759 154760 154761  
 154763 154764 154772 154781 154782 154785 154787 154848  
 154851 154852 154853

## AMENDMFNT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Hollingsworth (U.K.) Limited, a British Company whose registered Office is at Scientific Street, Accrington Lancashire BB5, England have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their Patent Application No 150622 for 'Improvements relating to open-end spinning apparatus'. The amendment are by way of explanation. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office 214, Acharya Jagadish

Rose Road Calcutta-700 017 or copies for the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said

## PATENTS DEEMED TO BE ENDORSED WITH THE WORDS 'LICENCE OF RIGHT'

The following patents are deemed to have been endorsed with the words 'LICENCE OF RIGHT' under Section 87 of the Patents Act, 1970. The dates shown in crescent brackets are the date of the patents

No	Title of the invention
145594	(24-06-1978) Process for preparing catalyst for dehydrogenation of paraffin hydrocarbons to olefins.
146527	(28-04-1977) A method of purifying perfumery materials.
146661	(06-07-1977) Improvement in or relating to hydroformylation an alpha olefin
146671	(27-01-1977) Improvements in or relating to a heat resisting Ni-Cr alloy
146716	(19-07-1975) Process for the preparation of catalyst for oxidation of olefins
146734	(11-08-1977) A process for producing aldehyde products by rhodium catalysed hydroformylation of alpha olefins
146761	(05-01-1978) An improved process for manufacturing solid spherical glass beads.
146762	(16-01-1978) A process for the preparation of an improved tanning agent from tanning extracts.
146768	(08-07-1977) Method for the treatment of biodegradable material
146785	(04-05-1977) Process for the catalytic hydro-refining of an asphaltic hydro-carbonaceous charge stock employing a catalyst provided on support material having improved macropore volume.
146789	(15-07-1977) Improvement in the process of synthesizing urea
146796	(28-03-1978) Lime free and sulfide free liming process for the treatment of animal hides
146818	(17-03-1978) Process for the production of polyols containing basic nitrogen
146819	(27-01-1978) Process of preparation of insolubilized disperse/reactive dyes
146830	(24-09-1976) A process for the preparation of 4-n-alkyl-4-cyano-p-terphenyls
146914	(18-10-1977) Gold recovery
146937	(29-11-1977) Process for the preparation of Telephthalic acid
146964	(20-08-1977) Process for preparing I-iodo substituted lower alkyne derivative
146986	(25-03-1977) Method of reactivating a spent liquid catalytic phthalocyanine composite
146989	(09-11-1977) Process for the production of a hydrocarbon mixture containing 2, 2, 3-trimethyl butane.
147020	(23-12-1977) Process for incineration of lime conditioned sewage sludge using a high sulfur fuel

## RENEWAL FEES PAID

133001 133319 135065 135620 136880 137291 137408 137445  
 137702 138110 138172 138862 138884 138885 139290 139388  
 139574 139600 140180 140290 140339 140346 140379 140461  
 140659 140728 140733 140782 140916 141005 141057 141681  
 142299 142326 142352 142566 142800 143177 143218 143486

143682 144039 144084 144136 144281 144469 144503 144631  
 144679 144720 144730 145020 145173 145810 145959 146074  
 146176 146197 146265 146273 146325 146499 146541 146644  
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 147359 147580 147641 147667 148056 148234 148346 148403  
 148406 148463 148673 148811 148881 148950 149254 149287  
 149421 149579 149606 149972 150026 150086 150087 150111  
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 150715 150767 150768 150896 150897 151010 151080 151081  
 151377 151381 151416 151714 151731 151807 151811 151859  
 151987 152048 152172 152206 152277 152279 152427 152506  
 152534 152718 152786 152819 152859 153041 153046 153110  
 153174 153330 153342 153344 153356 153362 153365 153366  
 153368 153369 153370 153372 153373 153376 153377 153391  
 153418 153419 153427 153428 153438 153585 153729 153730  
 153960 153994 154098 154130 154230 154231 154271 154436  
 154577

#### CESSATION OF PATENTS

138346 138347 138348 138351 138354 138355 138358 138359  
 138362 138363 138364 138365 138366 138367 138372 138373  
 138374 138376 138378 138379 138380 138383 138384 138390  
 138392 138397 138398 138399 138400 138401 138402 138403  
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 138441 138444 138447 138448

#### RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142307 granted to Nuchem Plastics Limited for an invention relating to "a device for concentration of urea formalde-hyde resins."

The patent ceased on the 8th October, 1984 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 9th November, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 28th February 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an Application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142368 granted to The Tata Iron & Steel Company Limited for an invention relating to "an improved method for the production of sponge iron and a rotary kiln for producing the same."

The patent ceased on the 30th November, 1984 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 9th November, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 28th February 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an Application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149411 granted to Suresh Jain for an invention relating to "an electrical dipper."

The patent ceased on the 6th October, 1984 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 2nd November, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 28th February 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an Application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 149414 granted to Suresh Jain for an invention relating to "an electrical dipper."

The patent ceased on the 6th October, 1984 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 2nd November, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 28th February 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an Application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 151413 granted to Hiro Shivlal Mandani for an invention relating to "improvements in or relating to tension meter for yarns, threads and the like."

The patent ceased on the 12th September, 1984 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 9th November, 1985.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 on or before the 28th February 1986 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. I. No. 154902. Durable Appliances (P) Ltd., 1C/54, Nissen Huts, Faridabad-121 001, Haryana, India, an Indian Company registered under the Provisions of Indian Company's Act 1932. "Cooking Appliance" 28th September, 1984.

Class. I. No. 155568. Ludwig Schleif, a German National of Aloy-Schreiber—Strasse 61, D-7580 Buhl (Bundesrepublik Deutschland), West Germany. "Pen-Cum Rubber Stamp". 9th April, 1985.

Class. I. No. 155570. Jasraj Mithalal Lalwani, an Indian citizen, Proprietor, Messrs. Para Appliances, 120, 1 Floor, Nagarpet, Bangalore-560 002, Karnataka. "a Tiffin Carrier". 11th April, 1985.

Class. I. No. 155633. Mahindra Owen Limited, An Indian Company having its Registered Office at : 155 Bombay Pune Road, Pimpri, Pune-411 018, Maharashtra, India. "A Multi Purpose Trailer". 6th May, 1985.

Class 1 No 156102 Pressu Croker & Appliances Limited Incorporated in India F-101 Maker Towers, 10th Floor Cuffe Parade City of Bombay 400 005 State of Maharashtra India 'Utensils' 7th October 1985

Class 3 No 155667 Raj Prakash of D-25 1st of Katalash New Delhi 110065 India an Indian National 'Film Viewer' 13th May 1985

Class 3 No 155990 Milton Plastics a registered Indian Partnership Firm registered under the Indian Partnership Act 1932 having Office at 202/203 'Raheja Centre' 214 Nariman Point Bombay-400 021, Maharashtra India 'Flask with handle' 26th August 1985

Class 3 No 155821 Metal Box P I C a British Company of Queen House Forbury Road Reading RG1 3JH Berkshire England 'A Box for a Container' 9th July 1985

Class 3 No 156103 Pressure Cookers & Appliances Limited Incorporated in India, F 101 Maker Towers 10th Floor Cuffe Parade City of Bombay-400 005 State of Maharashtra India 'Utensils' 7th October 1985

Class 3 No 156108 Camlin Private Limited, a company incorporated in India of JB Nagar Andheri Kurla Road Bombay 400 059 Maharashtra India 'Bottle' 8th October 1985

Class 3 No 155702 Universal Luggage Manufacturing Company Private Limited (an Indian Company) at 31, 32, 33, Industrial Estate Saki Vihar Road, Mumbai 400 072 Maharashtra State India 'Fastner' 25th May 1985

Class 3 No 155762 Khaitan Fans Private Limited an Indian Company of 46C 1st Nehru Road 18th Floor Calcutta 700 071 West Bengal India 'Regulator of Fan' 7th June 1985

Class 3 No 155839 Kabushiki Kaisha of 7-35 Kitashinagawa 6 chome Shinagawa-Ku Tokyo Japan a Japanese Company 'a Magnetic Memory Disc For An Electrofagnetic Camera' 16th July 1985

Class 3 No 155833 Samsonite Corporation a corporation organized under the laws of the State of Colorado, U.S.A. of 11200 East 45th Avenue Denver Colorado 80239 U.S.A. 'A Locking Trolley For Luggage' 11th July 1985

Class 4 No 155676 McDowell & Co Ltd, of 3 Second line Beach Madras-600 001 Tamil Nadu India, an Indian Company 'Bottle' 13th May, 1985

Class 5 No 155578 Cartier International B V, a company organized and existing under the laws of the Netherlands of Herengracht 436 Amsterdam-C the Netherlands 'a Cigarette Case' 16th April 1985

Class 5 No 155579 Cartier International B V, a company organized and existing under the laws of the Netherlands of Herengracht 436, Amsterdam-C the Netherlands 'A Cigarette Case' 16th April, 1985

Class 6 No 155851 C K Industrial Appliances, 7/1, Station Road Durg Madhya Pradesh, India, an Indian Sole Proprietary firm 'Leg Guard' 19th July, 1985

Class 11 No 155852 Neeraj Raincoats Industries 7/2, Station Road Durg Madhya Pradesh, India, an Indian Sole Proprietary Firm 'Raincoat' 19th July, 1985

Class 12 No 155723 Trast Enterprise S.r.l Via Nazionale 7, Firenze Italy, an Italian Company 'Watch Dial' 29th May, 1985

*Extn of Copyright for the Second period of five years*  
Nos 155082 155019 148631 148632 149713, 154676 —

Class 1  
Nos 155079 154795 155230 154717, 155083 154818 —

Class 3 —  
No 153641 —Class-10

*Extn of Copyright for the Third period of five years*  
Nos 155082 155019 143592 154676 —Class-1  
Nos 155079 154795 155230 154717, 155083, 154818 —

Class 3 —  
No 142451 —Class 4  
No 143663 —Class 5  
No 153641 —Class-10

R A ACHARYA  
Controller General of Patents, Designs  
and Trade Marks

